Amendments to the Specification:

Please amend the specification as follows:

Please replace the last paragraph starting on page 5 with the following rewritten paragraph:

For efficient communication between applications, an application 114 or client-side application 105 can employ a filter on the messaging bus to scan the content of messages on a certain topic, and determine whether the application employing the filter will either process the message or disregard it. Such a filtering mechanism is described in U.S. patent application Ser. No. 09/766,383, "System and Method for Generating Machine-Language Code from Readable Text Code for Information Filtering," incorporated by reference herein for all purposes.

Please replace the second full paragraph on page 7, starting at line 6, with the following rewritten paragraph:

When the host 101 is located behind a firewall 109 or proxy server, the extension of the messaging bus is implemented as described in U.S. patent application Ser. No. 09/766,439, "System and method for Maintaining Two-Way Asynchronous Notification Between a Client and a Web Server," incorporated by reference herein for all purposes. A gateway CGI 118 implements the two-way asynchronous communication through a firewall 109 or proxy server. In one embodiment, the gateway CGI 118 can be one or more servlets, administered and executed within the gateway context 110. When an external application that is not behind a firewall 109 or proxy server communicates messages to the messaging bus 120, a messaging bus extension 122 is used.